

CEA TECHNOLOGY DEVELOPMENT & OUTREACH – RESPONDING TO OUR  
STAKEHOLDER’S NEEDS

**April 28, 2017 @ 4:45-5:15pm**

*Controlled Environment Agriculture Center, 1951 E Roger Rd*

**Chieri Kubota PhD, Professor**

*The School of Plant Sciences, ABE, Bio-5, & CEAC Faculty*



In this farewell presentation, our own Dr. Chieri Kubota will summarize for us her goal, missions, as well as recent outcomes in research, education and outreach through her lab's extensive program of [CEA Plant Physiology and Technology](#). Kubota's career at the UofA has contributed to introducing innovative technologies to rapidly expanding CEA industries. Her long-term efforts in introducing vegetable grafting, indoor transplant production under electric lighting, and greenhouse hydroponic strawberry crop production recently led to introducing new industries in the US. Kubota is aware of the needs of technological information and professional education. Her vegetable grafting website as well as strawberry information website contributed to numerous early technology adopters. Since 2012, she offered ‘Greenhouse Plant Physiology and Technology’ online course for professionals in North America and beyond (12 countries) and provided learning opportunities.

It is clear from her research accomplishments that Chieri Kubota has remained true to her interdisciplinary training at Chiba University where she earned her PhD in Horticultural Engineering. Using this strong foundation in both horticulture and engineering, she has applied her research and teaching efforts in what is most aptly described in the title of her recent publication "Controlled environments for production of value-added food crops and transplants". Better tomatoes, healthier cucumber plants, and disease resistant grafted crop seedlings are all hallmarks developed in the Kubota laboratory with the indispensable and proficient contributions of Mark Kroggel, and the assistance of several generations of UofA students and postdocs.

As Chieri and Mark depart for greener, but much colder, pastures we wish them continued productivity in their research endeavors. We hope to see them reporting back to CEAC in future visits.

